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RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/804,409A

TIME: 09:28:28

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Output Set: N:\CRF3\05012002\I804409A.raw

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3 <110> APPLICANT: KIEFFER, TIMOTHY J.
4   CHEUNG, ANTHONY T.
6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATED PROTEIN
7   EXPRESSION IN GUT
9 <130> FILE REFERENCE: 029996/027 8721
11 <140> CURRENT APPLICATION NUMBER: 09/804,409A
12 <141> CURRENT FILING DATE: 2001-03-12
14 <160> NUMBER OF SEQ ID NOS: 18
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 19
20 <212> TYPE: DNA
21 <213> ORGANISM: Artificial Sequence
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24 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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45 <213> ORGANISM: Artificial Sequence
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67 <211> LENGTH: 1319

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68 <212> TYPE: DNA

69 <213> ORGANISM: Mus musculus

71 <400> SEQUENCE: 5

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74 ggttgttgaa tgaatacacg cgaagccggt tctcatttag gggcatgagt aggcagaggt 180
75 gtgggcagga agcaggaaag agcggaaaca ggtgcggaca gaaaggaggg gctctgaagg 240
76 atgccagtca gtgccaaact gtcattccaga taccaggttc actgtggccc taggccaggc 300
77 tgcacggggc ttcccatgtg gtctgcccag ggtgagagca gaactgcggt gggcggggca 360
78 gaagaaaacc aaccaggaag caggggttgca cccaaattat ccaggtttta agtacattta 420
79 agagacaagg ctgggctgtt gaaggtcaga ggtgtccctg ggggtgctga ctaggactga 480
80 ccacttctgt tttagtttaa tggtgagAAC tgcctcacac tgcctacctg cttacttgcc 540
81 ccttgagagc tgtgagccta ggaccacccc atgtgtgggt tggaccttca gtcacacact 600
82 gaacgtgtgt gaagccactg gttgtccagag cagggctctc ggcactgagg aagcagtgc 660
83 cactatcccc tatcaaataa caattaaata cacacagaat gcgaggcaca caactgagtt 720
84 tcaggagagg cctcgtctag gcaaggggtt caagaggctt ctgtgggacc cgctggatgt 780
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92 accgtactct cagtgttccc gctgggtgag agctttggta gccagactac agaccactc 1260
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99 <213> ORGANISM: Mus musculus

101 <400> SEQUENCE: 6

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104 gtcttgtcag caaaatcttt ctggcatatg caatagtgtc tgggttttgt ggttgtatat 180
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109 atccccattg attaaagcct tcttaaagcc agaaaactat attcattttt ttcttttccc 480
110 agtagttcac aaactatctg gcacctcata agcatcataa ctgagttggg gggtagataa 540
111 aattggaatg tgattgttca gtcagcagag acttttagag gacctcatac aacaagattc 600
112 tctcagttct cagaaatata tttcagtata tacagggtta gaggactcac atctttaata 660
113 aaataaagtt aaaaatttag acctgtataa attattaagg tacctaatac agttccacgg 720
114 caaagtacag ccatggttat gaattataaa tccaagaagc ggtgggttaa ctctgacatt 780
115 gttccttgga tggttctcat tcattgaagt tagtcacctc aacttactca accaaaacct 840
116 agaagtattt ctgtggtaact atgttctctt gatgccaaag gggctctagg catatgaaaa 900
117 tctctcaatc tctctccctc tctctccccc tccaccccc actctctctc ttctagcagt 960
118 aatccctccc ttcctggtag gcagtatgtt ttttggagca cagtttctta gctatctctt 1020
119 gcaacacctg attttgtgga agatttgaat ggccctatat agaagtatca acaacttgag 1080
120 cgtctgtgaa ctctcatttt gacactgtgc tgaaagaatt ggagttgatt ctcatataaa 1140

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121 aaaaaattaa gcatctcacc ttttttgcgc aaactaaaca gttttaaaac agttctgcct 1200
122 ggagtcacga tatgaaatac gatctatcat atttgcaatg ttctgttcaa ttgtggctgc 1260
123 accaggaaat gagaagctat ttctttatag gcacaaataa aaagatagtc attatctgta 1320
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126 gtgctgaaca ttttatttcg agcctcagag ataaaagaag ggggaagaag ctgtagtttt 1500
127 tgctacataa gacaggtggc gtaagcatgc aacgctttta aaaaatatct aaagtgtt 1560
128 ttttctctcg gattctttga aaaagctcgc ctgcgctggg gtttgaggct gagccggtga 1620
129 cgtcagcgtg gaatgcggag tcaggcgccc aggtctctta taagccgagg agctgtccgg 1680
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137 <213> ORGANISM: Mus musculus
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142 tggcctacca cagatttcat gtctgccact ggctatgtca gaacatgtag gagcttttgg 180
143 aatcagtgaa acaggtattt tcagactgcc ttccctgcgt ggggctttcc cgaagccata 240
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173 cttgagcaga acttgagttg taacttggtg ggaaacacaa cacccttggc aaacaaaaga 2040
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175 ttcaatagta atataattat tgaacaaata atccttaaaa gaagaaatcc agaggaatag 2160
176 caagttaggg gaagagaggg tgtgtgtgtg tgtgtgtgcg cgcacattta tagccaaaat 2220
177 agatgatata cttaaataaa catgccatta aaaccattta ttttgcatac agtttacata 2280
178 tgctaataaa tacttaaaaa aaaaacattg ggattggaga gaaatggctc agtggttaag 2340
179 agttcaattc ccagcaacca catgattgct cacaaccatc tgtaatggga tctgatgcct 2400
180 tcttctggta tgtctgaaga aagtgaaccg gtacttataa ttataaataa ataaatcttt 2460
181 aacccaaaaa ccccataaat ttcaacaaca gatatgtcct ggtctgaggg ttccaggcat 2520
182 agaaatagaa acacacagag tgtggagcca gtgcgggttc ggtccgccat tccagttcag 2580
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188 <212> TYPE: DNA

189 <213> ORGANISM: Homo sapiens

191 <400> SEQUENCE: 8

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194 cggcgcgggc caccgctggc cccagggaaa gcgcagcggc caccgagccg gcagagaccc 180
195 accgagcggc ggccgagggg gcgcagcggc ggccgacgag ggcacc 226

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199 <211> LENGTH: 110

200 <212> TYPE: PRT

201 <213> ORGANISM: Homo sapiens

203 <400> SEQUENCE: 9

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207 Trp Gly Pro Asp Pro Ala Ala Ala Phe Val Asn Gln His Leu Cys Gly
208           20           25           30
210 Ser His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe
211           35           40           45
213 Phe Tyr Thr Pro Lys Thr Arg Arg Glu Ala Glu Asp Leu Gln Val Gly
214           50           55           60
216 Gln Val Glu Leu Gly Gly Gly Pro Gly Ala Gly Ser Leu Gln Pro Leu
217   65           70           75           80
219 Ala Leu Glu Gly Ser Leu Gln Lys Arg Gly Ile Val Glu Gln Cys Cys
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227 <211> LENGTH: 450

228 <212> TYPE: DNA

229 <213> ORGANISM: Homo sapiens

231 <400> SEQUENCE: 10

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234 tgaaccaaca cctgtggcg tcacacctg tggaagctct ctacctagt tgccggggaac 180
235 gaggtttctt ctacacaccc aagaccgcc gggaggcaga ggacctgcag gtggggcagg 240
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243 <211> LENGTH: 167
244 <212> TYPE: PRT
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 11
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251 Phe Tyr Val Gln Ala Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys
252           20           25           30
254 Thr Leu Ile Lys Thr Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr
255   35           40           45
257 Gln Ser Val Ser Ser Lys Gln Lys Val Thr Gly Leu Asp Phe Ile Pro
258   50           55           60
260 Gly Leu His Pro Ile Leu Thr Leu Ser Lys Met Asp Gln Thr Leu Ala
261   65           70           75           80
263 Val Tyr Gln Gln Ile Leu Thr Ser Met Pro Ser Arg Asn Val Ile Gln
264           85           90           95
266 Ile Ser Asn Asp Leu Glu Asn Leu Arg Asp Leu Leu His Val Leu Ala
267   100          105          110
269 Phe Ser Lys Ser Cys His Leu Pro Trp Ala Ser Gly Leu Glu Thr Leu
270   115          120          125
272 Asp Ser Leu Gly Gly Val Leu Glu Ala Ser Gly Tyr Ser Thr Glu Val
273   130          135          140
275 Val Ala Leu Ser Arg Leu Gln Gly Ser Leu Gln Asp Met Leu Trp Gln
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290 caagatgaca ccaaaacctt catcaagaca attgtcacca ggatcaatga catttcacac 180
291 acgcagtcag tctctcccaa acagaaagtc accggtttgg acttcattcc tgggctccac 240
292 cccatcctga ccttatccaa gatggaccag acactggcag tctaccaaca gatcctcacc 300
293 aqtatgcctt ccagaaaagt gatccaaata tccaacgacc tggagaacct ccgggatctt 360
294 cttcacgtgc tggccttctc taagagctgc cacttgccct gggccagtgg cctggagacc 420
295 ttggacagcc tggggggtgt cctggaagct tcaggctact ccacagaggt ggtggccctg 480
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